

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strike through~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-2, 5, 7-11, and 13 in accordance with the following:

1. (CURRENTLY AMENDED) An apparatus for clamping a hard disk, comprising:

a motor rotating body having a boss inserted in a central hole of the hard disk and having a threaded portion formed on an outer circumferential surface of the boss and an accommodation surface to support a lower surface of the hard disk;

a clamping washer inserted around the boss of the rotating body and placed on an upper surface of the hard disk; and

a clamping nut placed on the clamping washer, ~~and~~ coupled to the threaded portion of the boss ~~so as to~~ and having a jig interface used to screw the nut and clamp the hard disk between the clamping washer and the accommodation surface of the rotating body.

2. (CURRENTLY AMENDED) ~~An~~ The apparatus of claim 1, for clamping a hard disk, comprising;

a motor rotating body having a boss inserted in a central hole of the hard disk and having a threaded portion formed on an outer circumferential surface of the boss and an accommodation surface to support a lower surface of the hard disk;

a clamping washer inserted around the boss of the rotating body and placed on an upper surface of the hard disk; and

a clamping nut placed on the clamping washer and coupled to the threaded portion of the boss so as to clamp the hard disk between the clamping washer and the accommodation surface of the rotating body and wherein a plurality of holes are formed on a horizontal surface of the clamping nut so that the clamping nut is rotatable by inserting a predetermined jig in the plurality of holes.

3. (ORIGINAL) The apparatus of claim 2, wherein the number of the holes are greater than the number of the holes required for the insertion of the predetermined jig.

4. (ORIGINAL) The apparatus of claim 2, wherein an outer circumferential surface of the clamping nut has a ring shape.

5. (CURRENTLY AMENDED) An The apparatus of claim 1, for clamping a hard disk, comprising:
a motor rotating body having a boss inserted in a central hole of the hard disk and having a threaded portion formed on an outer circumferential surface of the boss and an accommodation surface to support a lower surface of the hard disk;
a clamping washer inserted around the boss of the rotating body and placed on an upper surface of the hard disk; and
a clamping nut placed on the clamping washer and coupled to the threaded portion of the boss so as to clamp the hard disk between the clamping washer and the accommodation surface of the rotating body, and wherein a plurality of grooves are formed on a horizontal surface of the clamping washer so that, by fixedly inserting a predetermined jig in the grooves, the rotation of the clamping washer is prevented during the coupling of the clamping nut.
6. (ORIGINAL) The apparatus of claim 5, wherein a bottom surface of each of the grooves is closed.
7. (CURRENTLY AMENDED) A method of clamping a hard disk, comprising:
positioning a hard disk drive on a motor rotating body rotatably installed on a base wherein a boss of the motor rotating body protrudes from a central hole of the hard disk;
inserting a clamping washer around the boss; ~~and~~
coupling a clamping nut to a threaded portion of the boss; and
tightening the nut using a jig interface of the nut.
8. (CURRENTLY AMENDED) ~~The~~ A method of claim 7 clamping a hard disk,
comprising:
positioning a hard disk drive on a motor rotating body rotatably installed on a base
wherein a boss of the motor rotating body protrudes from a central hole of the hard disk;
inserting a clamp washer around the boss;
coupling a clamping nut to a threaded portion of the boss;
~~wherein the inserting the clamping washer around the boss comprises:~~
inserting a plurality of fixing pins of a washer jig into a groove formed on the clamping washer; and
fixing the clamping washer to an upper surface of the hard disk.

9. (CURRENTLY AMENDED) ~~The~~ A method of claim 7 clamping a hard disk,
comprising:

positioning a hard disk drive on a motor rotating body rotatably installed on a base
wherein a boss of the motor rotating body protrudes from a central hole of the hard disk;

inserting a clamp washer around the boss; and

coupling a clamping nut to a threaded portion of the boss, wherein the coupling of the
clamping nut using to the threaded portion of the boss comprises:

inserting a fixing portion of an electric driver into a central hole formed at a center
portion of the boss;

inserting a plurality of rotating portions into a plurality of holes formed on a
horizontal surface of the clamping nut; and

rotating the plurality of rotating portions so as to rotate the clamping nut which
results in coupling the clamping nut to the threaded portion of the boss.

10. (CURRENTLY AMENDED) ~~An~~ The apparatus of claim 2, wherein the
predetermined jig comprises for clamping a hard disk, comprising:

a motor rotating body having a boss inserted in a central hole of the hard disk and having
a threaded portion formed on an outer circumferential surface of the boss and an
accommodation surface to support a lower surface of the hard disk;

a clamping washer inserted around the boss of the rotating body and placed on an upper
surface of the hard disk;

a clamping nut placed on the clamping washer and coupled to the threaded portion of the
boss so as to clamp the hard disk between the clamping washer and the accommodation
surface of the rotating body wherein a plurality of holes are formed on a horizontal surface of the
clamping nut so that the clamping nut is rotatable by inserting a predetermined jig in the plurality
of holes;

a fixing portion inserted in a central hole formed at a center portion of the boss; and
a plurality of rotating portions which are rotated by being inserted into the plurality of
holes formed on the horizontal surface of the clamping nut.

11. (CURRENTLY AMENDED) ~~An~~ The apparatus of claim 5, wherein the
predetermined jig comprises for clamping a hard disk, comprising:

a motor rotating body having a boss inserted in a central hole of the hard disk and having
a threaded portion formed on an outer circumferential surface of the boss and an
accommodation surface to support a lower surface of the hard disk;

a clamping washer inserted around the boss of the rotating body and placed on an upper surface of the hard disk;

a clamping nut placed on the clamping washer and coupled to the threaded portion of the boss so as to clamp the hard disk between the clamping washer and the accommodation surface of the rotating body, and

wherein a plurality of grooves are formed on a horizontal surface of the clamping washer so that, by fixedly inserting a predetermined jig in the grooves, the rotation of the clamping washer is prevented during the coupling of the clamping nut; and

a plurality of fixing pins to be inserted into the plurality of grooves to fix the clamping washer to an upper surface of the hard disk.

12. (ORIGINAL) The apparatus of claim 1, wherein the clamping nut is screwed onto the threaded portion of the boss so as to clamp the hard disk between the clamping washer and the accommodation surface of the rotating body.

13. (CURRENTLY AMENDED) An apparatus for clamping a hard disk comprising:

a boss inserted in a central hole of the hard disk having a threaded portion formed on an outer circumferential surface of the boss;

a clamping washer inserted around the boss and placed on an upper surface of the hard disk; and

a clamping nut placed on the clamping washer and ~~which screws~~ having a jig interface used to screw the nut onto the threaded portion of the boss.